

PC32145 Sequence Listing in Patent In 6-27-2006.ST25.txt
SEQUENCE LISTING

<110> Warner-Lambert Company LLC
Bove, Susan R
Kilgore, Kenneth

<120> Methods of Treating Osteoarthritis with IL-6 Antagonists

<130> PC32145A

<150> 60/543,814

<151> 2004-02-11

<150> PCT/IB2005/000240

<151> 2005-01-31

<160> 12

<170> PatentIn version 3.3

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<212> DNA

<213> Mus musculus

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<213> Mus musculus

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Gly Asp Phe Thr Glu Asp Thr Thr Pro Asn Arg Pro Val Tyr Thr Thr
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Ser Gln Val Gly Gly Leu Ile Thr His Val Leu Trp Glu Ile Val Glu
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Met Arg Lys Glu Leu Cys Asn Gly Asn Ser Asp Cys Met Asn Asn Asp
65 70 75 80

Asp Ala Leu Ala Glu Asn Asn Leu Lys Leu Pro Glu Ile Gln Arg Asn
85 90 95

Asp Gly Cys Tyr Gln Thr Gly Tyr Asn Gln Glu Ile Cys Leu Leu Lys
100 105 110

Ile Ser Ser Gly Leu Leu Glu Tyr His Ser Tyr Leu Glu Tyr Met Lys
115 120 125

Asn Asn Leu Lys Asp Asn Lys Lys Asp Lys Ala Arg Val Leu Gln Arg
130 135 140

Asp Thr Glu Thr Leu Ile His Ile Phe Asn Gln Glu Val Lys Asp Leu
145 150 155 160

His Lys Ile Val Leu Pro Thr Pro Ile Ser Asn Ala Leu Leu Thr Asp
165 170 175

Lys Leu Glu Ser Gln Lys Glu Trp Leu Arg Thr Lys Thr Ile Gln Phe
180 185 190

Ile Leu Lys Ser Leu Glu Glu Phe Leu Lys Val Thr Leu Arg Ser Thr
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Arg Gln Thr
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<400> 4

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 20 25 30

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 35 40 45

Ser Gln Val Gly Gly Leu Ile Thr Tyr Val Leu Arg Glu Ile Leu Glu
 50 55 60

Met Arg Lys Glu Leu Cys Asn Gly Asn Ser Asp Cys Met Asn Ser Asp
 65 70 75 80

Asp Ala Leu Ser Glu Asn Asn Leu Lys Leu Pro Glu Ile Gln Arg Asn
 85 90 95

Asp Gly Cys Phe Gln Thr Gly Tyr Asn Gln Glu Ile Cys Leu Leu Lys
 100 105 110

Ile Cys Ser Gly Leu Leu Glu Phe Arg Phe Tyr Leu Glu Phe Val Lys
 115 120 125

Asn Asn Leu Gln Asp Asn Lys Lys Asp Lys Ala Arg Val Ile Gln Ser
 130 135 140

Asn Thr Glu Thr Leu Val His Ile Phe Lys Gln Glu Ile Lys Asp Ser
 145 150 155 160

Tyr Lys Ile Val Leu Pro Thr Pro Thr Ser Asn Ala Leu Leu Met Glu
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165 170 175

Lys Leu Glu Ser Gln Lys Glu Trp Leu Arg Thr Lys Thr Ile Gln Leu
180 185 190

Ile Leu Lys Ala Leu Glu Glu Phe Leu Lys Val Thr Met Arg Ser Thr
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Arg Gln Thr
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<213> Human

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Met Asn Ser Phe Ser Thr Ser Ala Phe Gly Pro Val Ala Phe Ser Leu
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Gly Glu Asp Ser Lys Asp Val Ala Ala Pro His Arg Gln Pro Leu Thr
35 40 45

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Ser Ser Glu Arg Ile Asp Lys Gln Ile Arg Tyr Ile Leu Asp Gly Ile
50 55 60

Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys Ser Asn Met Cys Glu Ser
65 70 75 80

Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala
85 90 95

Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe Asn Glu Glu Thr Cys Leu
100 105 110

Val Lys Ile Ile Thr Gly Leu Leu Glu Phe Glu Val Tyr Leu Glu Tyr
115 120 125

Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu Gln Ala Arg Ala Val Gln
130 135 140

Met Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn
145 150 155 160

Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr Thr Asn Ala Ser Leu Leu
165 170 175

Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu Gln Asp Met Thr Thr His
180 185 190

Leu Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala
195 200 205

Leu Arg Gln Met
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<213> Mus musculus

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<210> 8
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 20 25 30

Gly Thr Val Thr Ser Leu Pro Gly Ala Thr Val Thr Leu Ile Cys Pro
 35 40 45

Gly Lys Glu Ala Ala Gly Asn Val Thr Ile His Trp Val Tyr Ser Gly
 50 55 60

Ser Gln Asn Arg Glu Trp Thr Thr Thr Gly Asn Thr Leu Val Leu Arg
 65 70 75 80

Asp Val Gln Leu Ser Asp Thr Gly Asp Tyr Leu Cys Ser Leu Asn Asp
 85 90 95

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His Leu Val Gly Thr Val Pro Leu Leu Val Asp Val Pro Pro Glu Glu
100 105 110

Pro Lys Leu Ser Cys Phe Arg Lys Asn Pro Leu Val Asn Ala Ile Cys
115 120 125

Glu Trp Arg Pro Ser Ser Thr Pro Ser Pro Thr Thr Lys Ala Val Leu
130 135 140

Phe Ala Lys Lys Ile Asn Thr Thr Asn Gly Lys Ser Asp Phe Gln Val
145 150 155 160

Pro Cys Gln Tyr Ser Gln Gln Leu Lys Ser Phe Ser Cys Gln Val Glu
165 170 175

Ile Leu Glu Gly Asp Lys Val Tyr His Ile Val Ser Leu Cys Val Ala
180 185 190

Asn Ser Val Gly Ser Lys Ser Ser His Asn Glu Ala Phe His Ser Leu
195 200 205

Lys Met Val Gln Pro Asp Pro Pro Ala Asn Leu Val Val Ser Ala Ile
210 215 220

Pro Gly Arg Pro Arg Trp Leu Lys Val Ser Trp Gln His Pro Glu Thr
225 230 235 240

Trp Asp Pro Ser Tyr Tyr Leu Leu Gln Phe Gln Leu Arg Tyr Arg Pro
245 250 255

Val Trp Ser Lys Glu Phe Thr Val Leu Leu Leu Pro Val Ala Gln Tyr
260 265 270

Gln Cys Val Ile His Asp Ala Leu Arg Gly Val Lys His Val Val Gln
275 280 285

Val Arg Gly Lys Glu Glu Leu Asp Leu Gly Gln Trp Ser Glu Trp Ser
290 295 300

Pro Glu Val Thr Gly Thr Pro Trp Ile Ala Glu Pro Arg Thr Thr Pro
305 310 315 320

Ala Gly Ile Leu Trp Asn Pro Thr Gln Val Ser Val Glu Asp Ser Ala
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<213> Rattus norvegicus

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<211> 364

<212> PRT

<213> Rattus norvegicus

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20 25 30

Gly Thr Val Thr Ser Leu Pro Gly Ala Thr Val Thr Leu Ile Cys Pro
35 40 45

Gly Lys Glu Ala Ala Gly Asn Ala Thr Ile His Trp Val Tyr Ser Gly
50 55 60

Ser Gln Ser Arg Glu Trp Thr Thr Thr Gly Asn Thr Leu Val Leu Arg
65 70 75 80

Ala Val Gln Val Asn Asp Thr Gly His Tyr Leu Cys Phe Leu Asp Asp
85 90 95

His Leu Val Gly Thr Val Pro Leu Leu Val Asp Val Pro Pro Glu Glu
100 105 110

Pro Lys Leu Ser Cys Phe Arg Lys Asn Pro Leu Val Asn Ala Phe Cys
115 120 125

Glu Trp His Pro Ser Ser Thr Pro Ser Pro Thr Thr Lys Ala Val Met
130 135 140

Phe Ala Lys Lys Ile Asn Thr Thr Asn Gly Lys Ser Asp Phe Gln Val
145 150 155 160

Pro Cys Gln Tyr Ser Gln Gln Leu Lys Ser Phe Ser Cys Glu Val Glu
165 170 175

Ile Leu Glu Gly Asp Lys Val Tyr His Ile Val Ser Leu Cys Val Ala
180 185 190

Asn Ser Val Gly Ser Arg Ser Ser His Asn Val Val Phe Gln Ser Leu
195 200 205

Lys Met Val Gln Pro Asp Pro Pro Ala Asn Leu Val Val Ser Ala Ile
210 215 220

Pro Gly Ser Leu Val Gly Ser Lys Ser Val Gly Lys Thr Leu Ser Pro
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230

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240

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Tyr Gly Gln Arg Thr Phe Thr Val Trp Pro Leu Gln Val Ala Gln His
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Gln Cys Val Ile His Asp Ala Leu Arg Gly Val Lys His Val Val Gln
275 280 285

Val Arg Gly Lys Glu Glu Phe Asp Ile Gly Gln Trp Ser Lys Trp Ser
290 295 300

Pro Glu Val Thr Gly Thr Pro Trp Leu Ala Glu Pro Arg Thr Thr Pro
305 310 315 320

Ala Gly Ile Pro Gly Asn Pro Thr Gln Val Ser Val Glu Asp Tyr Asp
325 330 335

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 <212> PRT
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<400> 12

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 35 40 45

Gly Val Glu Pro Glu Asp Asn Ala Thr Val His Trp Val Leu Arg Lys
 50 55 60

Pro Ala Ala Gly Ser His Pro Ser Arg Trp Ala Gly Met Gly Arg Arg
 65 70 75 80

Leu Leu Leu Arg Ser Val Gln Leu His Asp Ser Gly Asn Tyr Ser Cys
 85 90 95

Tyr Arg Ala Gly Arg Pro Ala Gly Thr Val His Leu Leu Val Asp Val
 100 105 110

Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
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Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
130 135 140

Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
145 150 155 160

Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Gln Lys Phe Ser Cys
165 170 175

Gln Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met
180 185 190

Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe
195 200 205

Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val
210 215 220

Thr Ala Val Ala Arg Asn Pro Arg Trp Leu Ser Val Thr Trp Gln Asp
225 230 235 240

Pro His Ser Trp Asn Ser Ser Phe Tyr Arg Leu Arg Phe Glu Leu Arg
245 250 255

Tyr Arg Ala Glu Arg Ser Lys Thr Phe Thr Thr Trp Met Val Lys Asp
260 265 270

Leu Gln His His Cys Val Ile His Asp Ala Trp Ser Gly Leu Arg His
275 280 285

Val Val Gln Leu Arg Ala Gln Glu Glu Phe Gly Gln Gly Glu Trp Ser
290 295 300

Glu Trp Ser Pro Glu Ala Met Gly Thr Pro Trp Thr Glu Ser Arg Ser
305 310 315 320

Pro Pro Ala Glu Asn Glu Val Ser Thr Pro Met Gln Ala Leu Thr Thr
325 330 335

Asn Lys Asp Asp Asp Asn Ile Leu Phe Arg Asp Ser Ala Asn Ala Thr
340 345 350

Ser Leu Pro Val Gln Asp Ser Ser Ser Val Pro Leu Pro
355 360 365